PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
To: PAUL FENSTER FENSTER & COMPANY, INTELLECTUAL PROPERTY LTD. P.O. BOX 10256	PCT NOTIFICATION OF TRANSMITTAL OF			
PETACH TIKVA, ISRAEL 49002	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
Î	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 1 6 OCT 2006			
Applicant's or agent's file reference 015/05198	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US06/17281	International filing date			
Applicant	(day/month/year) 04 May 2006 (04.05.2006)			
IMPULSE DYNAMICS NV				
The applicant is hereby notified that the international search have been established and are transmitted herewith.	h report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clair	ms of the international application (see Rule 46):			
When? The time limit for filing such amendments is a search report.	normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO, 1211 Geneva 20, Switzerland, Facsimile No.:				
For more detailed instructions, see the notes on the acc	companying sheet.			
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) addition	onal fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been request to forward the texts of both the protest and the	transmitted to the International Bureau together with the applicant's decision thereon to the designated Offices.			
по decision has been made yet on the protest; the appli	cant will be notified as soon as a decision is made.			
4. Reminders				
Bureau. If the applicant wishes to avoid or postpone publication, priority claim, must reach the International Bureau as provided in R technical preparations for international publication.	the international application will be published by the International a notice of withdrawal of the international application, or of the Rules 90bis.1 and 90bis.3, respectively, before the completion of the			
The applicant may submit comments on an informal basis on the International Bureau. The International Bureau will send a copy of preliminary examination report has been or is to be established. The before the expiration of 30 months from the priority date.	of such comments to all designated Offices unless an international			
Within 19 months from the priority date, but only in respect of examination must be filed if the applicant wishes to postpone the e (in some Offices even later); otherwise, the applicant must, within entry into the national phase before those designated Offices.	ntry into the national phase until 30 months from the priority date			
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the appli Volume II, National Chapters and the WIPO Internet site.	icable time limits, Office by Office, see the PCT Applicant's Guide,			
Name and mailing address of the ISA/ US	Authorized			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Robert Pezanto			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (571) 272-3700			
acsimile No. (571) 273-3201 rm PCT/ISA/220 (January 2004)				
	ECEIVED (See notes on accompanying sheet)			
i i	red Bu 1/2 5100			

25 OCT 2006

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	FOR FURTHER ACTION as well as, whe	Form PCT/ISA/220 ere applicable, item 5 below.
International application No. PCT/US06/17281	International filing date (day/month/year) 04 May 2006 (04.05.2006)	(Earliest) Priority Date (day/month/year 09 December 2005 (09.12.2005)
Applicant IMPULSE DYNAMICS NV		(05.12.2005)
This international search report consists It is also accompanie 1. Basis of the Report a. With regard to the language, the the international a translation of the of a tr	international search was carried out on the basis application in the language in which it was filed the international application into urnished for the purposes of international search de and/or amino acid sequence disclosed in the unsearchable (See Box No. II) g (See Box No. III)	of: , which is the fanguage (Rules 12.3(a) and 23.1(b))
With regard to the drawings,	according to Rule 38.2(b), by this Authority as it he date of mailing of this international search rep	appears in Box No. IV. The applicant port, submit comments to this Authority.
the text is approved as submit the text has been established, may, within one month from the With regard to the drawings,	according to Rule 38.2(b), by this Authority as it the date of mailing of this international search republished with the abstract is Figure No. 4	appears in Box No. IV. The applicant port, submit comments to this Authority.
the text is approved as submit the text has been established, may, within one month from to With regard to the drawings, a. the figure of the drawings to be put as suggested by the approximation.	according to Rule 38.2(b), by this Authority as it the date of mailing of this international search republished with the abstract is Figure No. 4	oort, submit comments to this Authority.
the text is approved as submit the text has been established, may, within one month from to With regard to the drawings, a. the figure of the drawings to be put as suggested by the ag as selected by this Au	according to Rule 38.2(b), by this Authority as it he date of mailing of this international search republished with the abstract is Figure No. 4 pplicant.	figure.

INTERNATIONAL SEARCH REPORT

... donai/applicanon No 🔑 🔝 ...

PCT/US06/17281

A. CLAS	SSIFICATION OF SUBJECT MATTER A61N 1/00(2006.01),1/32(2006.01);C12N 13/00((2006.01),	5/00(2006.01)		
USPC: 607/2,3,50,115;604/20;435/173.1,375 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELI	DS SEARCHED				
	cumentation searched (classification system followed 07/2,3,50,115;604/20;435/173.1,375	by classific	ation symbols)		
Documentation	on searched other than minimum documentation to the	extent that	t such documents are included in	the fields searched	
Electronic da	ta base consulted during the international search (name	e of data ba	ase and, where practicable, search	h terms used)	
C. DOC	JMENTS CONSIDERED TO BE RELEVANT			· · · · · · · · · · · · · · · · · · ·	
Category *	Citation of document, with indication, where a			Relevant to claim No.	
Y	US 6,810,286 (DONOVAN et al) 26 Oct. 2004 (26 1	10.2004), (col. 3, line 29 - col. 12, line	1-173	
Y	15; fig. 1) US 2004/0158289 (GIROUARD et al) 12 Aug. 2004	1-173			
Y	US 2003/0100889 (DUVERGER et al) 29 May 2003 (29.05.2003), (pg. 2, [0025] - pg. 6, [0069])			1-173	
Y	US 5,962,246 (LADNER et al) 5 Oct. 2004 (05.10.1)	999), (col.	12, line 49 - col. 13, line 26)	96-101	
Y	US 2004/0106954 (WHITEHURST et al) 3 Jun 2004 (03.06.2004), (pg. 2, [0033] - pg. 14, [0165])				
	a decided to				
Further	documents are listed in the continuation of Box C.		See patent family annex.		
* S ₁	pecial categories of cited documents:	"T"	later document published after the intern date and not in conflict with the applicat		
"A" document particular	defining the general state of the art which is not considered to be of relevance	"X"	principle or theory underlying the invent document of particular relevance; the cla	ion	
	ilication or patent published on or after the international filing date	^	considered novel or cannot be considere when the document is taken alone		
	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y"	document of particular relevance; the cla considered to involve an inventive step with one or more other such documents.	when the document is combined	
"O" document	referring to an oral disclosure, use, exhibition or other means		obvious to a person skilled in the art		
priority da			document member of the same patent far		
Date of the ac	Date of the actual completion of the international search Date of mailing of the international search report				
11 August 2006 (11.08.2006) 1 6 UC					
	iling address of the ISA/US	Authoriz			
	I Stop PCT, Attn: ISA/US imissioner for Patents	Robert 1	Pezzyko		
P.O. Alex	Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 acsimile No. (571) 273-3201 Telephone No. (571) 272-3700				
гасациис ио.	(311)213-2201	L			

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHII	NG AUTHO	RITY			
To: PAUL FENSTER FENSTER & COMPANY, INTELLECTUAL PROPERTY LTD. P.O. BOX 10256 PETACH TIKVA, ISRAEL 49002		PCT WRITTEN OPINION OF THE			
TETACH TIKAN, ISINALE 47002		INTERNATI	ONAL SEARCHING AUTHORITY		
		T Table		(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	1 6 OCT 2006	
Applicant's or agent's file reference		FOR FURTHER ACTION			
015/05198	9	-		See paragraph 2 below	
International application No.		International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US06/17281		04 May 2006 (04.05.200	<u> </u>	09 December 2005 (09.12.2005)	
International Patent Classificat	· ·				
IPC: A61N 1/00(2006.01 USPC: 607/2,3,50,115;604/2 Applicant	,,	i.01);C12N 13/00(2006. i,375	01), 5/00 (2006.01)		
IMPULSE DYNAMICS NV					
1. This opinion contains indi	cations relate	ing to the following item	s:		
Box No. 1 E	Basis of the o	pinion			
Box No. II P	riority				
Box No. III N	Jon-establish	ment of opinion with reg	gard to novelty, inver	ntive step and industrial applicability	
Box No. IV L	ack of unity	of invention			
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI C	Certain docum	nents cited			
Box No. VII C	ertain defec	ts in the international app	the international application		
Box No. VIII C	Box No. VIII Certain observations on the international application				
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/ US Date of completion of this opinion Authorized Date of Completion of this opinion				Authorized	
Mail Stop PCT, Attn: IS Commissioner for Paten	A/US	11 August 2006	(11.08.2006)	Robert Pezzum	
P.O. Box 1450 Alexandria Virginia 27313-1450				Tolombono No. (571) 272 3700	

Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International appli:	-	No	
PCT/US06/17281			

Box	x No	o. I Basis of this opinion
i, W	ith r	regard to the language, this opinion has been established on the basis of:
	\leq	the international application in the language in which it was filed
		a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
		egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	ь.	format of material
		on paper
		in electronic form
	C.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in electronic form.
		furnished subsequently to this Authority for the purposes of search.
3.]	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Ac	fditio	onal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/172

Box No. V	Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industria
	applicability; citations and explanations supporting such statement

1. Statement		
Novelty (N)	Claims 1-173	YES
	Claims NONE	NO
Inventive step (IS)	Claims 1-173	YES
	Claims NONE	NO
Industrial applicability (IA)	Claims 1-173	YES
	Claims NONE	NO

2. Citations and explanations:

Claims 1-173 an inventive step under PCT Article 33(3) as being obvious over Donovan et al. (U.S. Patent No. 6,810,286), Girouard et al. (U.S. Patent Pub. 2004/0158289), Whitehurst et al. (U.S. Patent No. 2004/0106954).

Donovan (col. 3, line 29 - col. 12, line 15; fig. 1), Girouard (pg. 5, [0072] - pg. 19, [0923]) and Whitehurst (pg. 2, [0033] - pg. 14, [0165]) disclose a system, method and device for modifying tissue behavior, comprising: determining a desired modification of tissue behavior for at least one treatment of a disease and assessing tissue response to stimulation; selecting an electric field having an expected effect of modifying protein activity of at least one protein; and applying said field to said tissue.

Claims 1-173 an inventive step under PCT Article 33(3) as being obvious over Duverger et al. (U.S. Patent Pub. 2003/0100889) and Ladner et al. (U.S. Patent No. 5,962,246).

Duverger (pg. 2, [0025] - pg. 6, [0069]) and Ladner (col. 12, line 49 - col. 13, line 26) disclose a method, system and kit for modifying tissue behavior, comprising: determining a desired modification of tissue behavior for at least one treatment of a disease and modifying protein activity to treat disease.

Form PCT/ISA/237 (Box No. V) (April 2005)